



Report No.:

Test Time: 2019-11-6 16:16

## Luminaire Property

Luminaire Manufacturer: ASD Lighting Corp  
Voltage: 276.9 V  
Power: 26.16 W

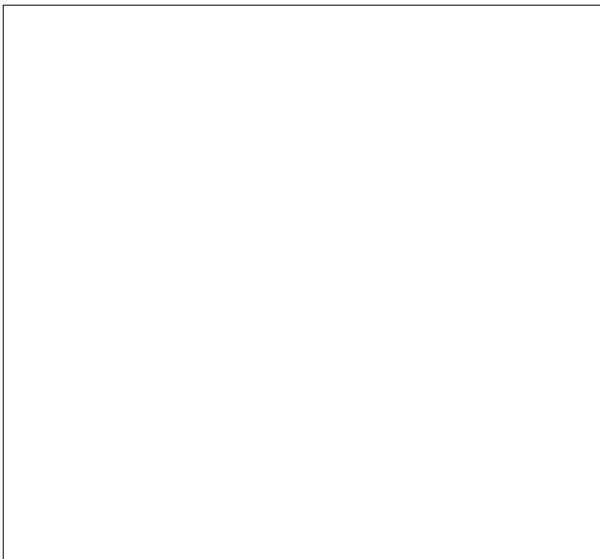
Current: 0.0994 A  
Power Factor: 0.950

## Photometric Results

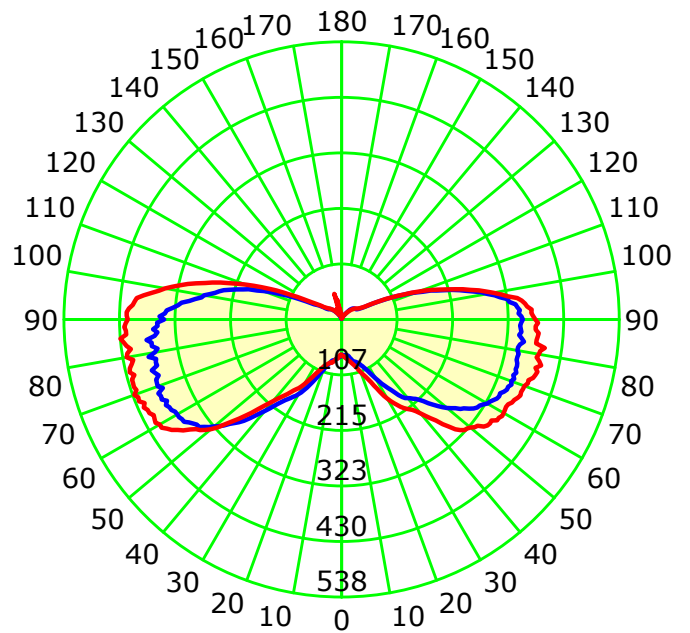
IES Classification: Type I  
Total Rated Lamp Lumens: 2754.5 lm  
Efficiency: 100%  
Upward Ratio: 31%  
Central Intensity: 69.15 cd  
Pos of Max. Intensity: H270 V85

Longitudinal Classification: Very Short  
Measurement Flux: 2754.5 lm  
Downward Ratio: 69%  
Luminaire Efficacy Rating (LER): 105.29  
Max. Intensity: 430.73 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 214.8°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

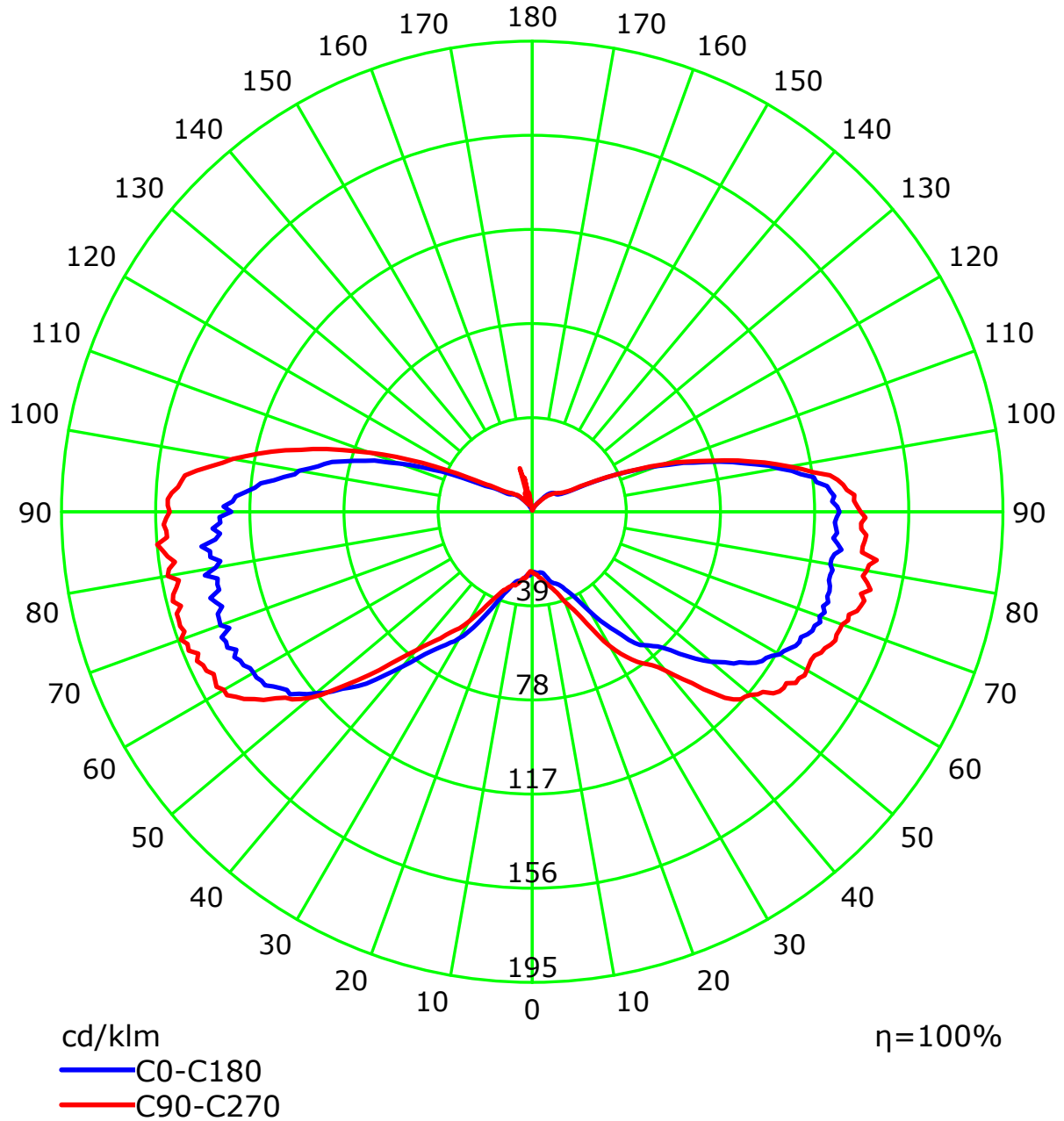
Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



## Luminous Intensity Distribution Curve(cd/klm)

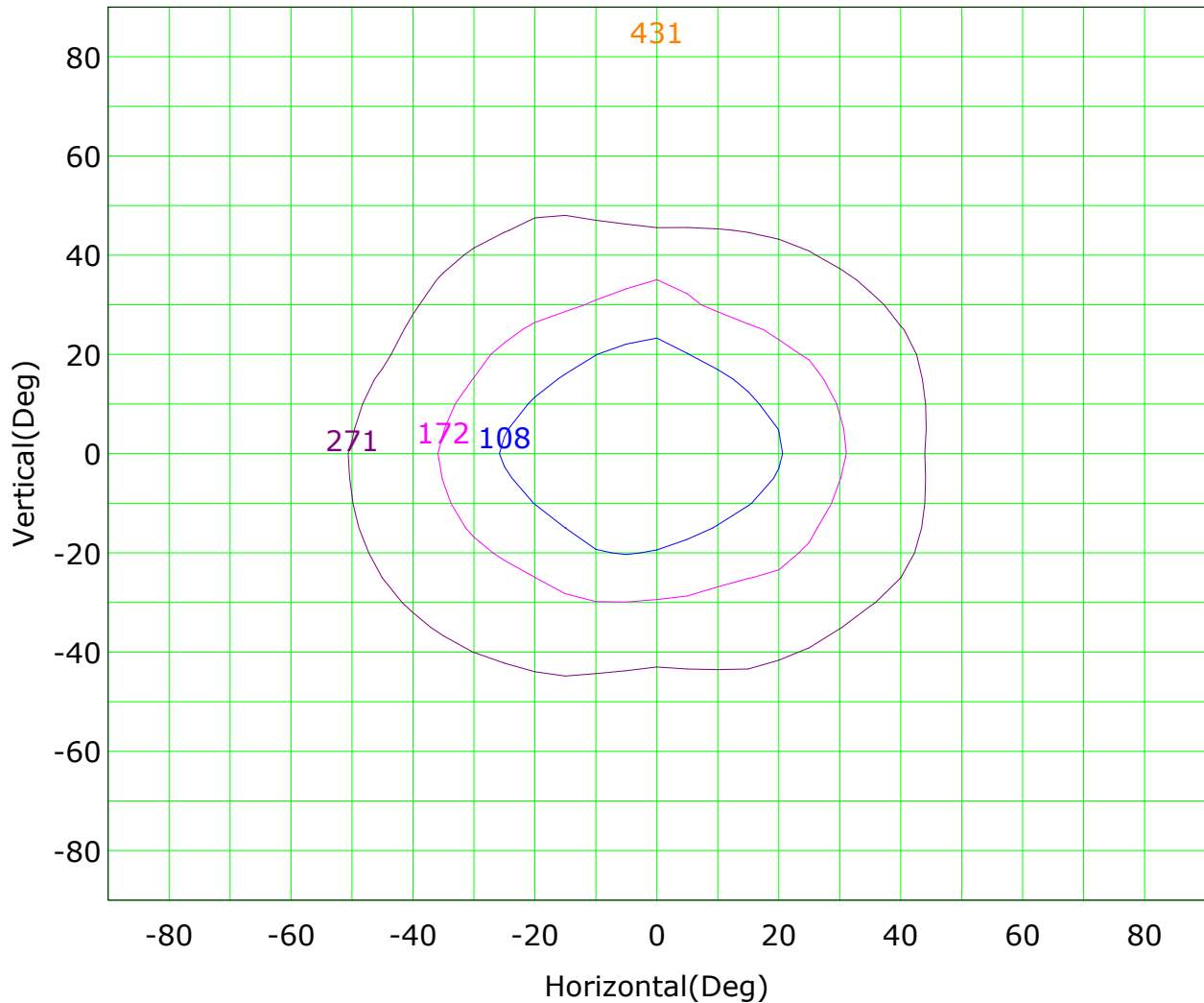


C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 28.4 °C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.040 m [K=1.0000]  
Humidity:  
Inspector:



## Isocandela (rectangle)



Imax (100%): 431 cd

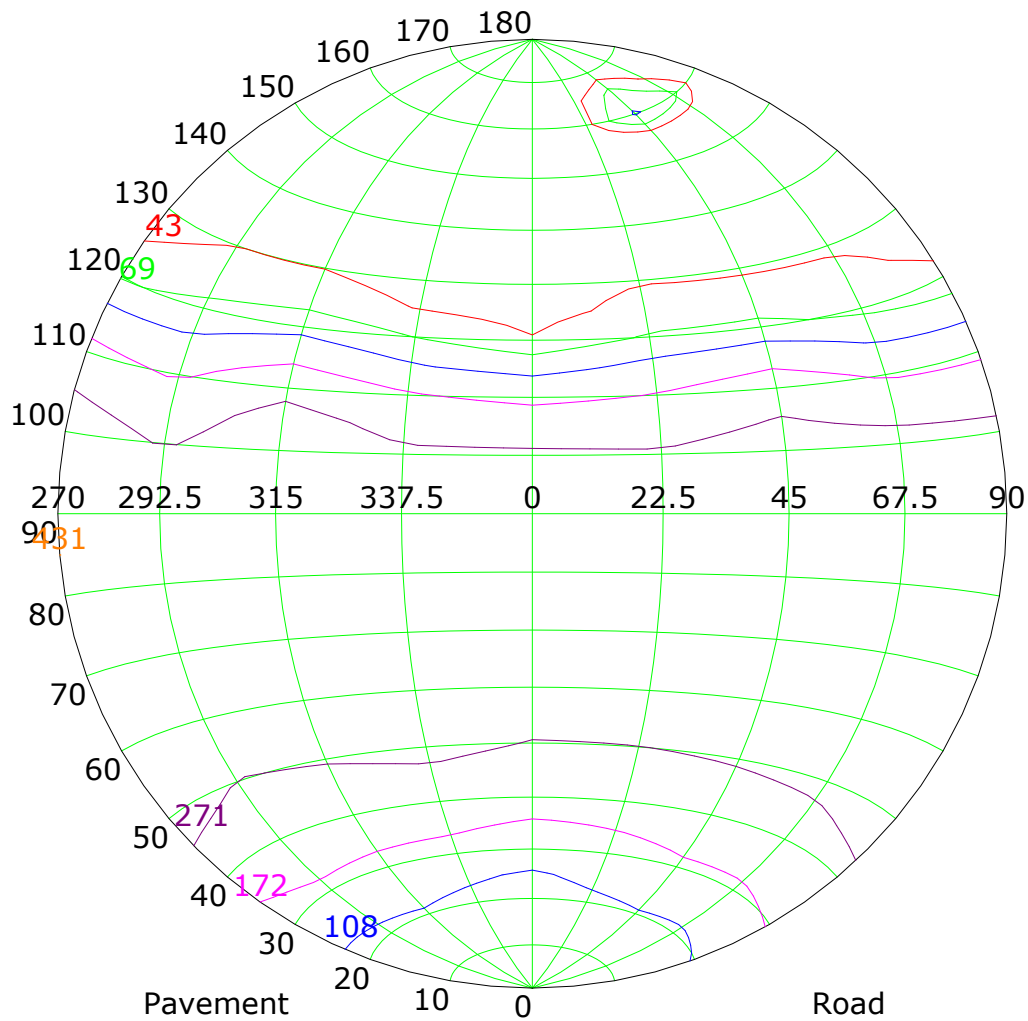
( 10%):	43 cd	( 16%):	69 cd
( 25%):	108 cd	( 40%):	172 cd
( 63%):	271 cd	(100%):	431 cd

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 28.4 °C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.040 m [K=1.0000]  
Humidity:  
Inspector:



## Isocandela (sphere)



Imax (100%): 431 cd

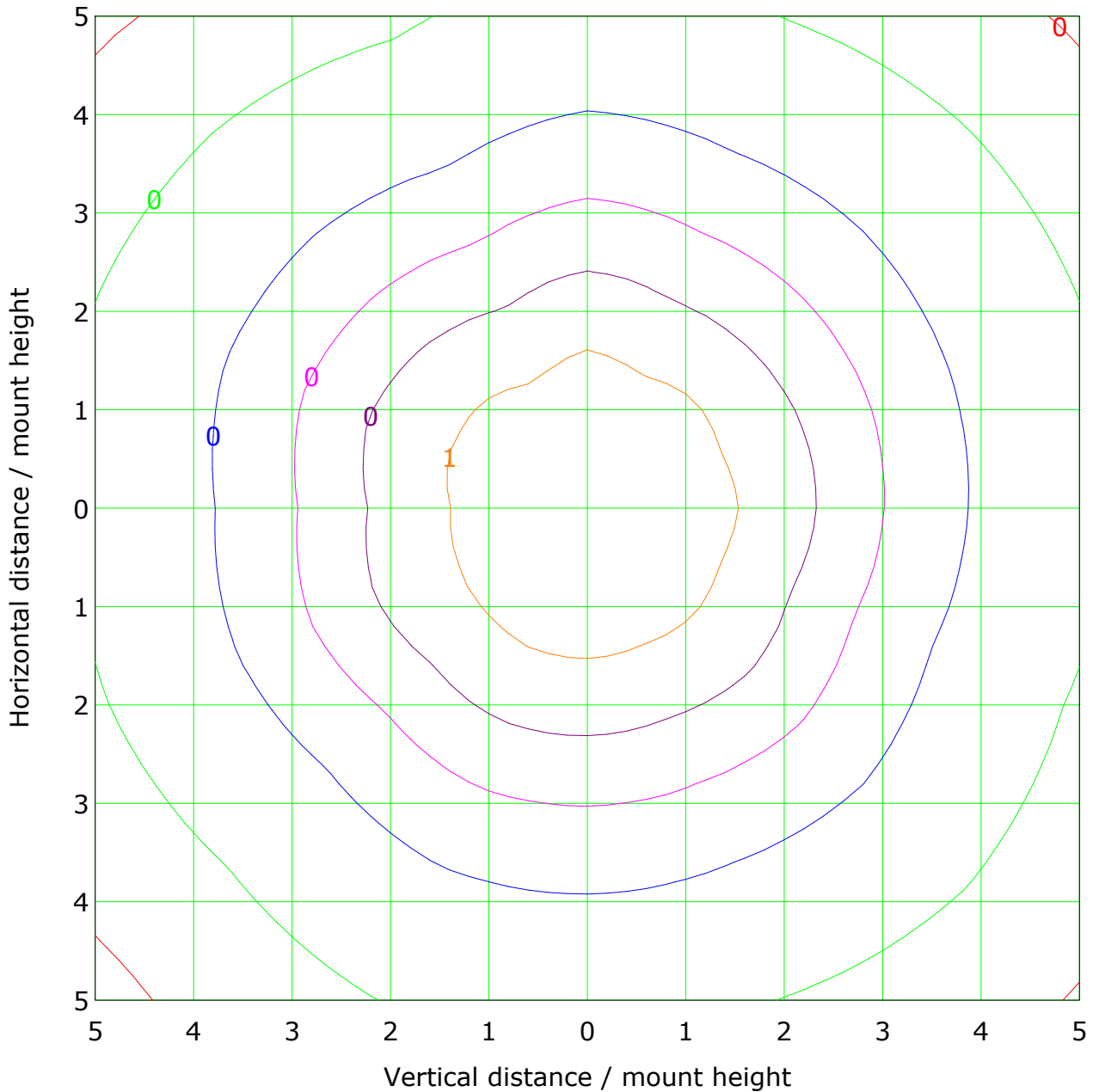
— ( 10%):	43 cd	— ( 16%):	69 cd
— ( 25%):	108 cd	— ( 40%):	172 cd
— ( 63%):	271 cd	— (100%):	431 cd

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 28.4 °C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.040 m [K=1.0000]  
Humidity:  
Inspector:



## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 1.2 lx	
— ( 1%):	0.0 lx	— ( 2%):	0.0 lx
— ( 5%):	0.1 lx	— (10%):	0.1 lx
— (20%):	0.2 lx	— (50%):	0.6 lx
— (100%):	1.2 lx		

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 28.4 °C  
 Operator:

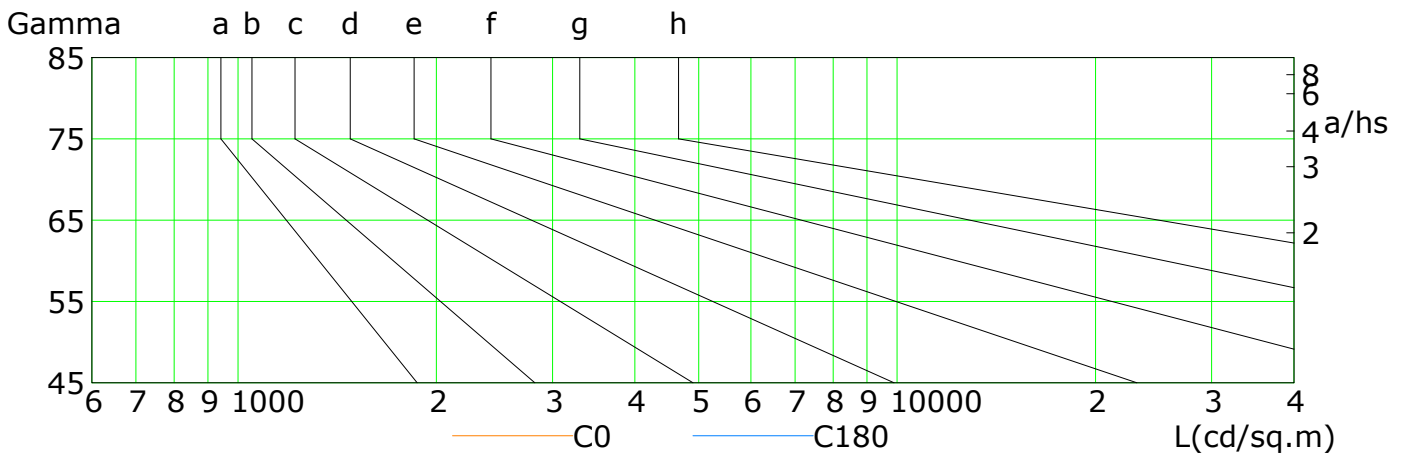
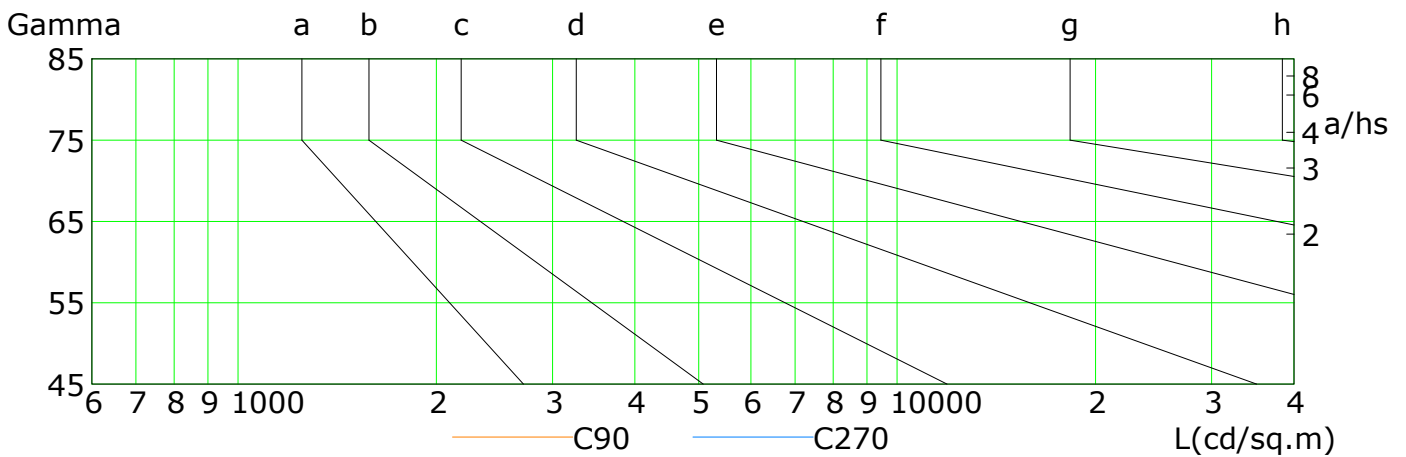
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.040 m [K=1.0000]  
 Humidity:  
 Inspector:



## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	224	267	302	326	339	350	352	346	346
C90	294	326	351	363	369	377	393	388	382
C180	282	323	352	368	374	380	381	368	364
C270	264	331	375	407	415	428	416	423	431

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

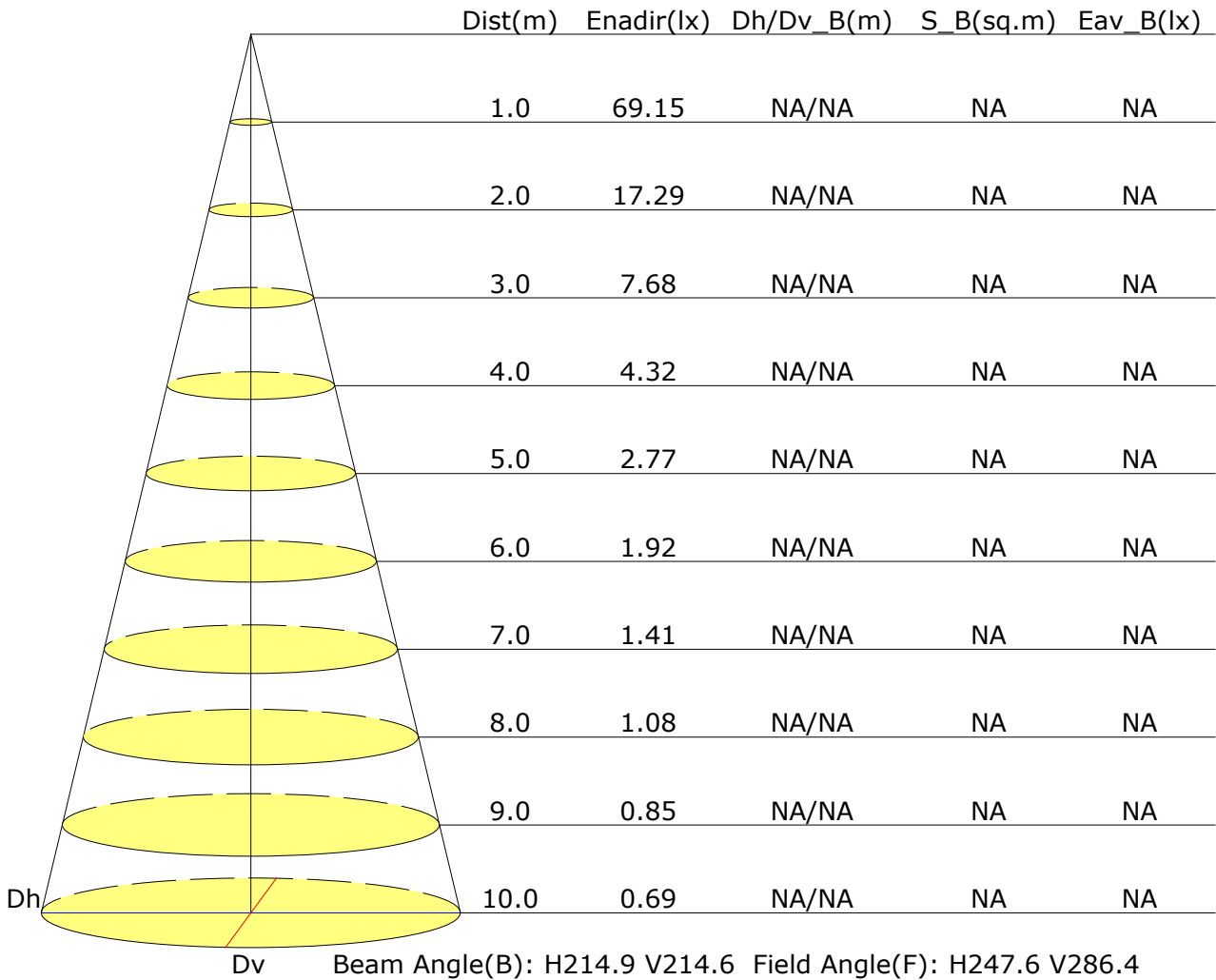
Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



## Illuminance at a Distance

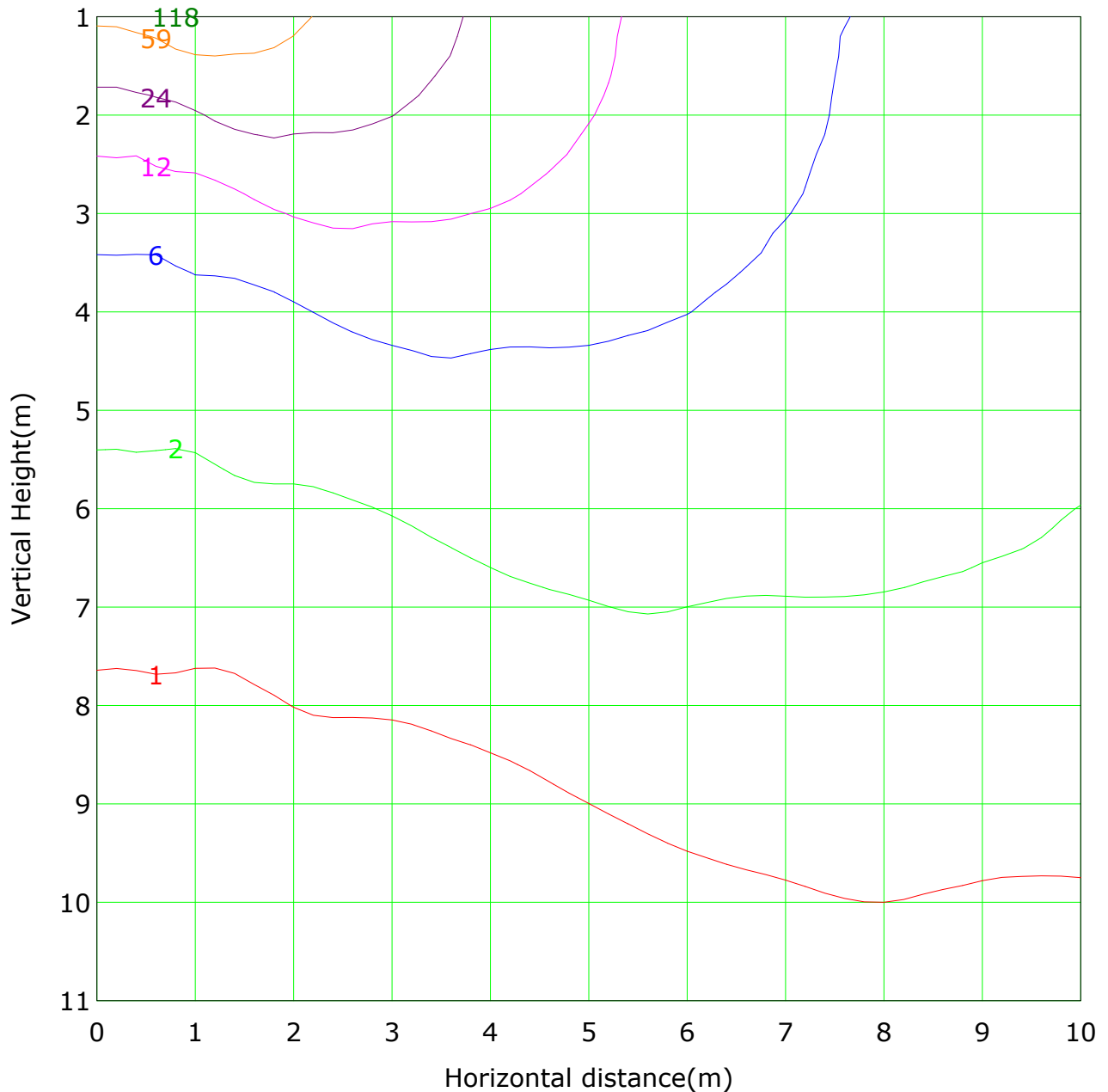


C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 28.4 °C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.040 m [K=1.0000]  
 Humidity:  
 Inspector:



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 118.4 lx  
— ( 1%): 1.2 lx                      — ( 2%): 2.4 lx  
— ( 5%): 5.9 lx                        — (10%): 11.8 lx  
— (20%): 23.7 lx                      — (50%): 59.2 lx  
— (100%): 118.4 lx

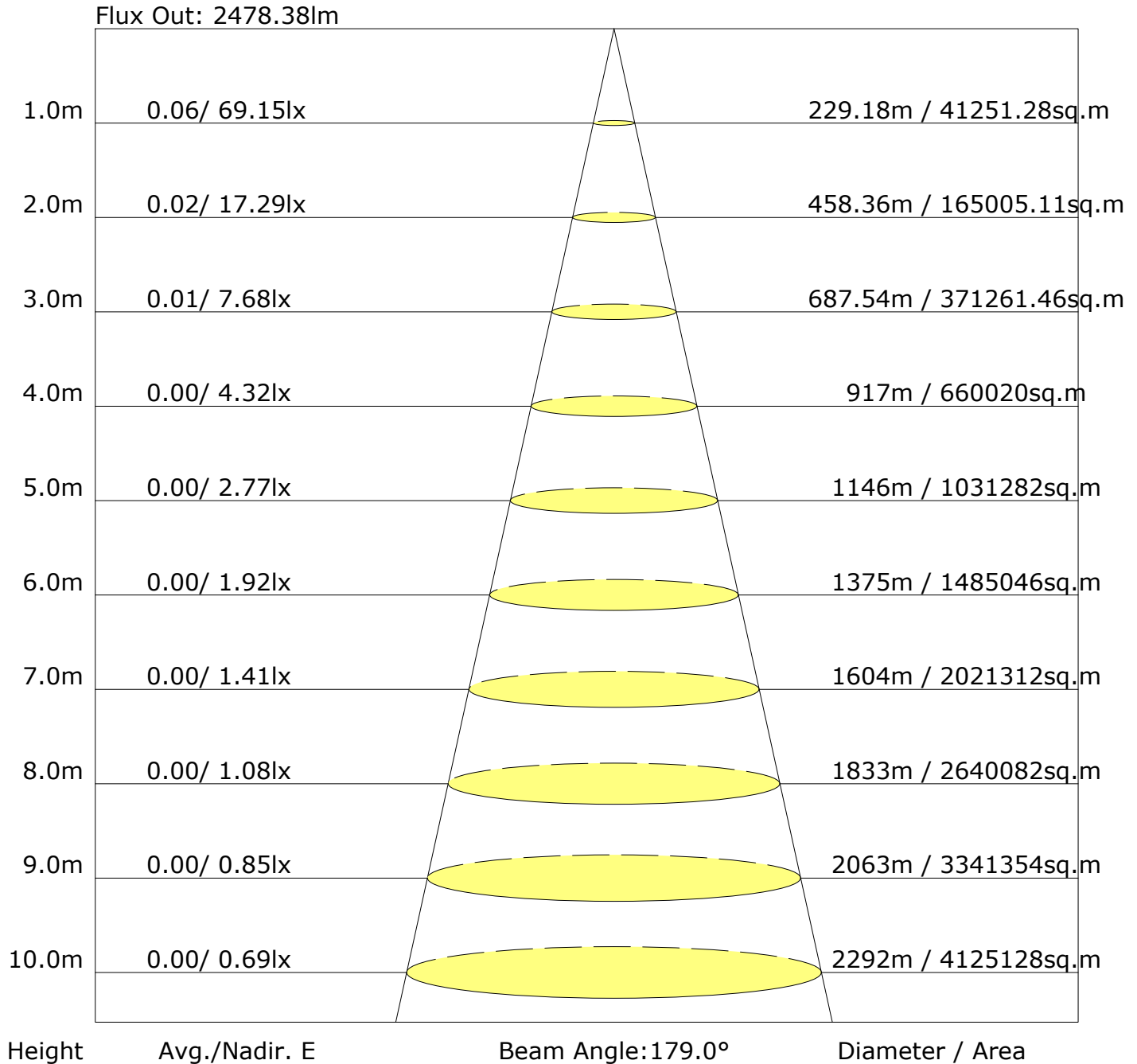
C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 28.4 °C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.040 m [K=1.0000]  
Humidity:  
Inspector:





## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 28.4 °C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.040 m [K=1.0000]  
 Humidity:  
 Inspector:



## UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H										-1.\$/-1.\$
S=1.5H										-1.\$/-1.\$
S=2.0H										-1.\$/-1.\$

Calculate in accordance with CIE Pub.117. The table is revised with 2755lm ( $8\log(F/F_0) = 3.5$ ).

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 28.4 °C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.040 m [K=1.0000]  
 Humidity:  
 Inspector:





## Candlepower Table

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G0.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
G1.0	68.8	68.9	69.4	70.1	70.5	70.6	70.8	71.6	71.0	69.5
G2.0	69.0	70.0	71.2	71.0	70.6	70.6	71.1	73.0	72.6	69.7
G3.0	69.4	71.8	72.6	71.9	71.8	72.8	72.1	74.3	73.3	70.4
G4.0	70.0	72.0	73.5	73.6	72.0	73.9	74.0	74.4	72.7	72.0
G5.0	70.7	71.4	73.7	75.0	73.5	75.9	76.5	75.6	73.1	73.9
G6.0	70.4	71.5	73.0	75.4	75.5	78.3	80.0	77.5	75.0	75.3
G7.0	69.8	73.0	73.0	76.9	76.3	81.7	81.1	78.7	76.9	76.6
G8.0	70.2	75.3	74.8	78.6	77.6	83.9	82.2	79.9	77.8	77.4
G9.0	70.5	78.2	76.4	79.9	79.3	85.7	84.1	81.2	79.0	78.4
G10.0	71.4	81.7	78.0	80.4	81.4	87.2	85.8	82.7	79.8	78.5
G11.0	73.3	85.0	80.6	80.7	83.1	90.0	88.3	84.4	80.4	78.5
G12.0	75.9	87.6	83.4	81.3	84.7	91.6	91.4	86.5	80.9	79.8
G13.0	78.0	89.3	85.9	82.1	87.1	92.8	94.1	88.9	82.0	82.6
G14.0	80.9	90.4	88.9	83.5	89.1	94.6	96.5	91.0	83.8	86.6
G15.0	83.2	91.1	91.3	85.3	91.4	97.7	98.7	93.7	86.1	89.9
G16.0	84.3	92.5	92.0	87.2	94.1	101.7	102.0	96.7	89.1	96.1
G17.0	85.7	93.7	93.7	90.2	96.8	105.3	105.7	99.8	92.6	98.2
G18.0	86.3	95.1	96.3	93.9	100.7	109.1	109.7	102.7	95.9	100.8
G19.0	87.5	96.2	99.7	97.4	105.2	113.3	114.6	106.1	99.2	103.4
G20.0	88.9	97.9	103.9	100.2	109.8	117.2	118.7	110.2	103.8	106.5
G21.0	90.7	101.1	107.6	103.7	113.6	122.5	123.5	114.5	108.8	110.8
G22.0	93.2	104.9	111.7	107.6	117.8	128.2	128.4	119.7	114.4	116.8
G23.0	96.6	108.8	116.5	112.3	121.7	135.2	133.7	125.7	121.1	124.7
G24.0	99.5	112.7	121.5	118.0	127.4	142.9	140.0	132.1	127.1	132.1
G25.0	103.1	117.2	128.2	124.6	133.8	150.4	146.3	138.9	134.0	139.0
G26.0	107.1	122.3	135.6	132.2	142.3	157.8	153.1	145.4	141.1	143.8
G27.0	112.0	127.9	142.0	139.5	150.0	164.5	158.7	152.2	148.6	149.4
G28.0	118.5	134.4	149.0	146.6	159.6	170.5	163.1	158.9	154.9	154.1
G29.0	125.0	142.1	156.5	154.2	169.3	176.1	166.8	165.8	162.1	159.6
G30.0	131.9	148.8	163.9	161.5	177.4	181.5	170.7	172.4	166.9	165.3
G31.0	139.3	154.9	169.3	168.2	184.8	185.9	172.3	179.6	173.0	172.7
G32.0	147.0	160.6	174.8	174.5	191.6	190.0	174.8	184.5	176.4	177.8
G33.0	153.5	165.2	180.2	181.0	197.8	193.2	177.5	190.3	181.6	182.6
G34.0	160.4	169.4	182.8	186.4	204.1	197.2	180.4	196.0	186.3	189.1
G35.0	166.6	174.7	186.3	191.3	209.6	200.2	185.0	202.0	191.3	197.5
G36.0	174.1	178.9	189.6	197.0	214.2	205.1	189.9	207.9	197.3	204.0

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G37.0	183.4	182.6	193.3	201.8	218.3	209.9	194.7	213.4	204.0	207.6
G38.0	190.7	187.1	197.5	206.4	222.9	216.3	200.7	219.7	212.3	211.1
G39.0	196.1	190.7	201.1	212.7	228.9	223.6	208.4	225.3	222.2	215.5
G40.0	199.2	194.8	204.3	219.0	237.4	230.1	216.4	233.0	231.3	223.3
G41.0	202.6	200.7	210.5	224.9	247.6	236.2	224.8	239.2	241.3	228.7
G42.0	206.9	207.5	218.7	232.7	257.9	242.9	234.4	246.5	251.2	236.6
G43.0	210.6	215.3	227.2	239.2	268.0	250.2	246.0	253.0	262.3	244.2
G44.0	216.9	221.7	235.2	246.3	282.2	258.5	259.1	258.9	273.3	251.3
G45.0	224.1	230.2	244.0	254.1	293.9	265.3	271.5	265.5	281.9	261.3
G46.0	233.7	237.9	251.1	261.7	306.5	272.7	281.6	268.5	289.5	269.2
G47.0	242.2	248.6	258.4	269.6	314.8	281.8	293.9	273.2	296.8	276.5
G48.0	251.2	255.7	266.3	278.1	320.8	291.8	302.6	279.7	307.2	283.0
G49.0	259.2	263.7	272.4	287.8	322.5	301.1	313.0	284.7	315.9	290.9
G50.0	267.0	269.9	280.6	297.2	326.0	308.6	323.3	289.8	322.9	294.0
G51.0	273.2	276.2	288.2	308.2	332.0	320.9	335.5	297.0	331.5	297.9
G52.0	279.7	282.8	296.0	317.2	334.7	327.1	344.4	303.7	338.2	307.5
G53.0	288.6	289.0	307.4	330.4	345.2	333.1	351.3	313.7	347.0	312.7
G54.0	293.0	298.9	318.7	339.2	349.5	332.8	353.4	314.9	346.9	321.9
G55.0	301.7	312.8	329.0	344.7	351.3	339.3	356.4	321.6	351.8	323.1
G56.0	308.8	322.4	335.1	355.9	350.7	343.5	358.8	327.1	357.3	333.6
G57.0	313.5	331.6	337.5	363.5	359.5	346.0	361.2	334.3	364.5	338.8
G58.0	315.5	341.9	338.9	368.1	359.7	347.5	364.3	332.2	365.1	347.2
G59.0	320.0	351.8	342.8	372.2	363.5	347.4	365.7	334.6	368.1	351.6
G60.0	326.5	359.2	348.3	372.4	362.7	347.6	365.7	332.6	368.2	356.3
G61.0	328.9	367.3	343.4	374.2	361.9	350.6	372.6	334.3	369.1	358.5
G62.0	333.2	374.5	345.7	374.9	361.2	353.7	373.3	334.6	374.1	366.1
G63.0	338.1	377.7	341.7	374.5	362.4	356.3	378.0	338.4	375.0	368.7
G64.0	340.1	378.1	344.4	375.6	367.7	356.5	377.4	340.3	379.2	373.9
G65.0	339.2	380.9	347.6	380.2	369.3	358.9	386.1	341.2	373.6	375.5
G66.0	344.6	383.6	345.3	381.1	373.7	366.0	385.6	344.3	381.8	382.8
G67.0	348.3	388.2	352.7	384.8	376.7	367.4	393.7	348.8	380.5	385.3
G68.0	348.3	385.1	347.8	381.4	375.4	367.1	388.4	345.3	383.4	389.9
G69.0	352.9	390.9	349.6	383.3	376.6	367.6	394.6	341.5	371.3	385.8
G70.0	349.7	387.2	342.5	382.9	377.2	378.0	396.7	344.7	379.7	385.5
G71.0	353.9	387.4	345.2	387.0	382.0	376.2	400.7	346.8	378.9	393.4
G72.0	349.8	386.6	342.3	385.3	380.9	375.4	398.4	345.1	378.2	392.1
G73.0	354.1	379.1	343.0	389.5	388.4	380.1	400.5	340.3	371.0	393.7

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 28.4 °C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.040 m [K=1.0000]  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G74.0	351.1	379.6	341.8	394.3	390.9	385.0	408.6	351.1	376.2	385.8
G75.0	352.0	372.1	343.2	390.7	393.2	384.9	403.2	350.4	381.3	400.8
G76.0	351.0	370.5	340.1	395.0	387.6	380.9	403.5	349.5	369.1	393.3
G77.0	348.3	362.3	343.1	397.2	397.1	388.1	402.2	345.9	369.8	390.5
G78.0	348.4	368.4	345.4	402.2	391.9	392.0	410.5	351.7	367.9	386.6
G79.0	349.9	360.2	342.4	393.0	385.1	380.4	406.5	359.2	381.5	394.4
G80.0	346.2	359.9	343.9	403.5	388.5	381.9	397.2	346.9	367.8	396.2
G81.0	346.4	357.5	349.7	403.2	389.9	386.8	408.7	349.0	361.3	380.9
G82.0	349.1	364.9	356.5	413.6	398.0	392.8	409.7	354.2	371.9	383.7
G83.0	356.3	359.2	349.5	395.4	380.0	387.3	421.8	357.8	371.3	390.1
G84.0	351.2	351.5	348.6	398.7	380.1	370.7	400.0	361.5	380.4	391.4
G85.0	345.7	353.2	352.4	397.4	381.8	379.6	403.2	343.1	363.9	391.7
G86.0	349.6	353.4	354.4	399.0	383.1	376.5	407.2	352.1	358.1	372.6
G87.0	347.9	351.6	350.1	391.9	376.8	374.6	406.7	346.8	366.3	378.3
G88.0	346.3	347.3	359.3	396.0	376.5	365.3	403.2	346.8	357.2	376.4
G89.0	348.4	353.6	359.1	393.3	381.1	370.8	400.8	340.0	358.0	372.2
G90.0	351.5	348.3	361.8	394.0	375.6	369.0	410.3	337.0	344.3	364.6
G91.0	348.9	346.1	353.7	385.9	371.7	361.4	403.5	338.6	353.3	362.7
G92.0	343.3	336.7	361.2	388.6	368.2	355.2	400.3	328.8	342.9	363.3
G93.0	346.0	338.9	358.8	380.5	368.9	350.9	393.9	326.3	339.7	356.3
G94.0	341.7	328.2	356.6	379.4	360.7	350.2	395.9	313.8	328.4	348.3
G95.0	338.6	326.3	351.0	371.7	356.9	343.0	390.3	312.4	318.4	335.9
G96.0	326.7	317.7	352.3	367.5	351.1	331.6	380.6	303.3	312.3	329.1
G97.0	324.5	317.3	345.9	359.0	343.1	323.2	366.4	289.6	297.5	317.1
G98.0	310.1	302.2	337.6	339.8	325.0	317.7	359.9	275.5	286.8	304.5
G99.0	300.4	291.8	323.3	324.0	312.4	307.7	345.7	266.3	275.1	291.6
G100.0	286.5	279.3	316.7	310.4	298.8	299.3	336.8	258.0	271.0	285.1
G101.0	276.5	271.9	308.7	293.9	285.0	292.4	321.8	245.3	259.9	274.2
G102.0	261.5	263.3	314.1	285.9	271.9	289.0	315.7	237.9	250.6	262.6
G103.0	247.7	257.6	293.2	269.8	255.8	276.1	298.6	229.1	243.8	254.3
G104.0	235.7	247.1	301.7	257.9	242.7	270.0	285.1	217.4	236.0	248.9
G105.0	222.0	233.4	276.2	234.0	227.5	262.0	270.3	202.3	223.0	236.9
G106.0	207.0	221.4	271.3	224.8	211.9	252.4	259.7	194.2	212.0	224.7
G107.0	192.5	209.6	260.1	206.6	198.9	235.2	241.8	195.8	199.7	218.3
G108.0	182.0	198.9	243.2	192.4	186.1	226.2	229.7	181.2	189.9	218.7
G109.0	165.5	186.3	241.8	181.2	173.8	210.2	213.4	175.6	173.5	201.3
G110.0	153.8	175.1	220.5	163.0	157.9	199.7	200.3	162.3	161.8	193.4

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



### Candlepower Table (Continue 3)

Unit: cd

G/C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G111.0	142.6	168.8	213.6	156.8	144.9	178.3	180.1	157.1	150.1	181.3
G112.0	128.1	152.5	194.3	136.7	129.9	174.5	169.2	140.4	136.6	166.8
G113.0	116.3	144.2	173.9	126.9	117.8	155.8	152.8	136.9	123.1	160.5
G114.0	105.8	134.7	162.8	114.9	104.0	142.9	141.2	128.3	113.5	140.2
G115.0	91.6	120.6	143.5	103.8	94.1	137.3	128.9	118.6	101.0	134.1
G116.0	80.1	114.4	133.5	102.5	82.0	118.4	115.7	116.3	88.9	119.5
G117.0	68.5	101.5	109.0	83.4	70.7	108.7	103.6	102.8	77.2	105.4
G118.0	57.7	89.5	97.4	74.8	62.7	100.6	92.3	94.9	68.2	101.4
G119.0	50.0	84.9	93.3	75.5	51.9	88.2	84.4	91.9	61.2	90.6
G120.0	44.9	72.7	75.6	60.9	47.4	84.3	77.5	81.3	57.2	81.9
G121.0	41.7	67.2	75.4	60.1	44.7	81.5	71.9	77.0	54.6	78.6
G122.0	39.1	67.7	77.8	64.2	42.1	74.4	67.4	74.7	51.1	74.5
G123.0	37.3	59.9	58.6	55.4	40.2	67.6	63.0	71.0	47.1	68.1
G124.0	35.8	53.1	52.5	50.1	38.8	64.2	57.6	64.3	42.8	62.3
G125.0	34.9	50.6	52.8	49.1	37.6	59.8	53.7	58.7	38.9	58.2
G126.0	34.3	51.2	56.8	49.1	36.7	52.5	49.4	53.7	35.8	55.2
G127.0	33.8	47.1	46.8	46.1	35.6	48.7	46.9	49.6	33.7	50.5
G128.0	33.5	43.7	43.5	44.6	34.9	46.8	45.5	43.5	32.7	43.4
G129.0	33.4	43.1	41.7	42.1	34.1	45.3	44.7	41.3	31.8	41.6
G130.0	33.2	41.8	40.0	40.3	33.2	44.2	44.2	39.9	31.3	40.2
G131.0	33.0	40.9	38.7	39.4	32.0	43.1	43.9	39.3	30.8	38.9
G132.0	32.4	40.0	37.5	37.7	30.6	41.6	43.4	38.8	30.2	37.7
G133.0	31.7	39.2	36.6	35.6	29.3	40.1	42.5	38.4	30.1	35.9
G134.0	31.0	38.1	36.0	34.0	28.2	38.2	41.1	37.6	29.1	34.3
G135.0	30.3	36.7	34.7	32.5	27.2	36.2	39.3	36.7	27.9	32.7
G136.0	29.4	34.5	32.9	31.1	26.0	34.4	37.4	35.1	26.6	31.3
G137.0	28.2	33.0	31.0	29.1	24.5	32.1	35.3	33.0	25.4	29.7
G138.0	26.9	30.9	28.8	26.8	23.1	29.6	32.6	30.5	24.1	27.9
G139.0	25.6	28.4	26.5	24.2	21.7	26.9	29.9	28.2	22.8	25.6
G140.0	23.9	26.1	24.0	21.7	20.5	24.4	26.8	25.6	21.7	23.6
G141.0	21.9	23.4	21.4	19.4	19.2	22.3	23.6	23.0	20.2	21.4
G142.0	20.0	21.1	19.0	16.9	17.7	20.0	20.7	20.6	18.7	19.3
G143.0	18.3	18.9	16.8	15.4	16.3	18.1	18.5	18.6	17.4	17.5
G144.0	16.7	16.8	15.1	14.3	15.1	16.3	16.3	16.7	16.2	15.9
G145.0	15.2	15.1	14.3	13.4	14.1	14.9	14.7	14.9	15.0	14.6
G146.0	14.0	13.7	13.3	12.9	13.2	13.8	13.8	13.5	13.9	13.4
G147.0	12.9	12.6	12.5	12.1	12.2	12.8	12.9	12.4	12.7	12.5

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



### Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G148.0	12.1	11.8	11.9	11.5	11.4	12.0	12.1	11.5	11.7	11.6
G149.0	11.2	11.1	11.5	10.8	10.8	11.3	11.4	10.7	10.8	10.8
G150.0	10.4	10.5	11.2	10.1	10.2	10.5	10.9	10.0	10.1	9.9
G151.0	9.7	9.8	10.9	9.8	9.6	9.8	10.3	9.3	9.4	9.2
G152.0	9.1	9.2	12.4	13.1	9.1	9.2	9.7	8.5	8.5	8.3
G153.0	8.5	8.6	23.6	38.6	8.6	8.6	9.1	7.8	7.7	7.7
G154.0	7.8	8.2	13.7	10.3	8.1	8.0	8.5	7.2	7.0	7.2
G155.0	7.4	7.6	18.3	17.4	7.6	7.5	8.0	6.7	6.6	6.6
G156.0	7.0	7.2	20.4	20.2	7.1	7.1	7.5	6.1	6.0	6.1
G157.0	6.5	6.8	24.2	8.9	6.6	6.7	7.0	5.6	5.5	5.6
G158.0	6.0	7.0	54.7	18.4	6.2	6.2	6.6	5.2	5.0	5.2
G159.0	5.6	19.8	86.9	64.0	5.6	5.8	6.0	4.8	4.5	4.7
G160.0	5.2	34.6	112.0	77.4	5.2	5.5	5.5	4.4	4.0	4.4
G161.0	4.8	37.3	54.4	114.5	4.9	5.0	4.8	4.0	3.8	4.1
G162.0	4.5	34.4	49.6	60.4	4.6	4.5	4.3	3.6	3.3	3.8
G163.0	4.1	47.4	50.2	59.4	4.3	4.1	3.9	3.2	2.9	3.8
G164.0	3.7	34.8	55.0	56.9	3.9	3.7	4.0	3.4	2.5	5.9
G165.0	3.4	35.8	79.1	38.0	3.7	3.7	27.3	3.4	2.4	18.8
G166.0	3.0	33.6	124.3	42.7	3.5	4.7	42.0	3.7	2.2	33.9
G167.0	2.9	5.8	94.0	55.8	3.3	34.9	51.0	19.5	2.1	35.3
G168.0	2.8	5.4	71.9	54.9	3.3	44.2	52.0	34.0	2.0	35.6
G169.0	2.8	5.4	54.5	28.8	3.1	35.2	4.5	19.1	2.1	50.5
G170.0	2.8	4.9	22.6	12.9	2.7	21.3	2.8	19.0	2.0	36.9
G171.0	2.9	4.2	18.1	8.9	2.6	23.7	2.3	22.4	1.9	37.9
G172.0	3.1	3.7	11.0	7.6	2.5	14.1	2.3	12.4	1.8	36.8
G173.0	3.1	3.3	4.9	3.6	2.4	14.9	6.5	1.7	1.7	14.0
G174.0	2.9	3.3	3.1	2.8	2.3	1.9	2.1	1.2	1.5	2.7
G175.0	2.8	3.1	2.9	2.4	2.1	1.6	1.2	0.9	2.0	2.6
G176.0	3.0	3.1	2.9	2.2	2.1	1.9	1.8	1.7	2.2	2.1
G177.0	3.1	3.0	2.8	2.0	2.1	2.0	1.7	2.0	2.3	2.1
G178.0	3.0	2.8	2.3	1.9	2.0	1.9	1.9	2.0	2.4	2.2
G179.0	2.8	2.7	2.1	2.0	2.0	2.1	2.0	2.2	2.4	2.4
G180.0	2.5	2.5	2.1	1.9	2.1	2.1	2.2	2.3	2.5	2.4

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 28.4 °C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.040 m [K=1.0000]  
 Humidity:  
 Inspector:





## Candlepower Table (Continue 5)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2			
G1.0	68.8	68.0	68.1	68.1	68.1	68.5	68.8			
G2.0	68.2	68.7	68.2	68.5	68.4	68.8	69.0			
G3.0	69.3	69.7	69.8	68.4	69.7	69.6	69.4			
G4.0	71.2	73.6	71.4	71.5	71.1	70.6	70.0			
G5.0	75.1	77.4	74.9	74.3	73.7	70.2	70.7			
G6.0	79.9	80.1	76.3	77.0	75.1	70.4	70.4			
G7.0	82.3	81.5	76.0	78.5	75.2	72.8	69.8			
G8.0	84.4	84.9	77.0	80.8	75.6	75.1	70.2			
G9.0	85.2	87.1	79.0	82.2	77.0	78.0	70.5			
G10.0	85.8	87.6	81.2	83.5	78.7	80.2	71.4			
G11.0	86.3	87.5	83.2	84.1	82.6	81.9	73.3			
G12.0	86.8	90.3	84.7	85.3	86.0	84.2	75.9			
G13.0	88.5	91.6	86.5	87.3	88.3	85.6	78.0			
G14.0	90.0	91.7	86.5	89.1	91.4	87.8	80.9			
G15.0	92.6	93.9	86.5	89.9	93.5	89.6	83.2			
G16.0	96.6	98.5	88.8	91.4	94.5	90.1	84.3			
G17.0	100.0	98.6	89.8	93.3	97.3	91.2	85.7			
G18.0	102.1	99.7	91.8	95.2	100.3	92.0	86.3			
G19.0	105.9	103.1	94.3	97.2	102.0	92.6	87.5			
G20.0	110.4	109.3	95.4	99.8	102.2	94.8	88.9			
G21.0	114.1	115.1	98.0	103.3	103.8	97.1	90.7			
G22.0	117.5	117.8	101.6	106.0	109.6	101.2	93.2			
G23.0	123.3	120.1	105.3	109.7	117.5	104.3	96.6			
G24.0	131.5	123.4	109.4	113.7	121.7	109.5	99.5			
G25.0	141.7	128.8	114.3	117.9	124.5	113.1	103.1			
G26.0	152.0	137.4	119.3	123.5	126.4	118.7	107.1			
G27.0	159.2	146.1	125.5	130.3	130.8	124.8	112.0			
G28.0	165.8	155.7	131.7	138.2	136.2	133.0	118.5			
G29.0	169.4	167.1	137.9	146.1	143.3	141.6	125.0			
G30.0	170.7	181.2	144.9	154.5	150.3	149.6	131.9			
G31.0	173.7	186.9	151.0	163.5	158.4	156.6	139.3			
G32.0	175.8	189.3	157.1	173.5	165.9	162.9	147.0			
G33.0	179.0	192.1	161.2	183.5	174.3	169.3	153.5			
G34.0	182.9	196.1	166.0	192.2	179.9	177.1	160.4			
G35.0	186.7	197.5	172.1	197.7	186.3	181.5	166.6			
G36.0	190.1	202.7	179.1	202.3	188.4	186.2	174.1			

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 28.4 °C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.040 m [K=1.0000]  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 6)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G37.0	194.0	208.9	184.9	206.2	190.3	190.2	183.4			
G38.0	197.9	214.6	191.2	206.3	195.8	194.7	190.7			
G39.0	204.3	219.9	198.0	207.7	200.8	201.0	196.1			
G40.0	212.1	226.2	207.0	210.5	203.7	208.2	199.2			
G41.0	220.5	234.5	215.9	214.3	209.8	214.8	202.6			
G42.0	227.8	242.3	226.1	219.0	217.0	222.5	206.9			
G43.0	235.6	248.5	237.7	224.3	221.6	232.2	210.6			
G44.0	245.2	254.2	251.6	229.8	227.8	240.9	216.9			
G45.0	255.0	259.4	264.1	234.3	234.8	250.8	224.1			
G46.0	264.2	265.6	277.1	239.1	239.0	261.5	233.7			
G47.0	278.4	273.4	289.6	246.1	246.4	274.4	242.2			
G48.0	288.8	277.4	303.7	252.6	257.3	286.5	251.2			
G49.0	303.0	283.6	318.9	259.7	268.2	295.5	259.2			
G50.0	313.8	292.2	330.9	267.9	278.7	304.8	267.0			
G51.0	324.2	297.7	340.3	273.1	288.4	312.5	273.2			
G52.0	328.9	303.2	348.6	278.5	298.9	317.4	279.7			
G53.0	338.8	309.6	353.4	283.1	314.6	324.5	288.6			
G54.0	349.9	318.6	362.9	291.0	326.5	332.6	293.0			
G55.0	354.2	326.7	375.2	297.2	338.0	340.4	301.7			
G56.0	362.5	327.2	383.3	306.3	355.0	345.9	308.8			
G57.0	367.1	332.0	393.3	312.8	360.8	352.0	313.5			
G58.0	376.0	333.2	399.5	315.5	365.3	354.9	315.5			
G59.0	375.9	341.3	407.5	317.8	365.7	359.7	320.0			
G60.0	374.1	341.6	407.4	321.3	371.3	372.3	326.5			
G61.0	372.2	348.0	412.9	322.6	376.1	377.2	328.9			
G62.0	370.3	348.1	411.0	325.2	372.9	387.9	333.2			
G63.0	370.7	356.0	409.0	324.2	375.5	397.7	338.1			
G64.0	372.1	354.3	414.8	329.3	381.7	401.8	340.1			
G65.0	374.9	361.0	415.3	328.9	380.2	406.2	339.2			
G66.0	372.2	361.3	419.9	331.3	383.0	408.1	344.6			
G67.0	379.3	365.1	415.0	334.0	384.2	416.8	348.3			
G68.0	381.7	367.1	423.9	336.6	391.8	414.4	348.3			
G69.0	386.7	374.9	422.3	340.6	385.7	418.6	352.9			
G70.0	382.0	375.1	427.8	345.0	391.8	416.5	349.7			
G71.0	389.3	377.4	420.8	344.1	387.4	410.9	353.9			
G72.0	392.4	383.9	423.6	345.6	391.6	412.5	349.8			
G73.0	395.3	386.5	423.0	345.9	389.4	409.7	354.1			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



### Candlepower Table (Continue 7)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G74.0	391.3	387.3	423.1	348.2	388.4	407.3	351.1			
G75.0	396.0	381.3	416.1	342.4	387.6	403.3	352.0			
G76.0	406.4	391.1	423.7	347.1	392.0	403.8	351.0			
G77.0	397.2	383.8	421.5	343.5	385.0	397.6	348.3			
G78.0	395.2	383.0	416.0	342.1	384.4	395.2	348.4			
G79.0	396.7	378.4	411.8	339.8	387.8	399.5	349.9			
G80.0	407.1	385.4	423.3	346.4	388.3	391.6	346.2			
G81.0	396.8	383.6	420.9	338.8	380.3	389.5	346.4			
G82.0	390.6	374.4	412.8	337.6	382.0	388.8	349.1			
G83.0	400.1	380.4	420.2	338.7	387.3	398.7	356.3			
G84.0	405.9	383.1	425.1	344.2	394.4	391.8	351.2			
G85.0	413.2	388.3	430.7	341.4	385.4	382.7	345.7			
G86.0	396.5	378.0	418.8	332.1	382.3	381.3	349.6			
G87.0	397.2	371.6	419.1	333.1	391.2	380.2	347.9			
G88.0	406.1	377.1	421.9	329.6	389.1	374.5	346.3			
G89.0	403.3	371.4	418.8	324.3	386.5	369.5	348.4			
G90.0	399.9	370.1	414.7	321.3	391.2	372.6	351.5			
G91.0	397.3	362.7	417.0	320.3	395.1	369.3	348.9			
G92.0	402.2	367.4	417.2	317.3	395.0	361.6	343.3			
G93.0	398.6	361.9	413.0	310.5	390.9	358.0	346.0			
G94.0	392.4	357.4	406.2	306.9	394.3	355.3	341.7			
G95.0	383.2	349.4	402.9	302.8	394.8	349.4	338.6			
G96.0	379.3	348.4	399.5	296.6	387.4	330.1	326.7			
G97.0	369.3	339.6	386.8	284.3	374.2	321.8	324.5			
G98.0	356.6	327.2	372.3	275.3	367.8	310.1	310.1			
G99.0	341.6	316.2	358.7	267.4	359.9	299.4	300.4			
G100.0	336.0	310.7	348.1	261.0	351.2	287.4	286.5			
G101.0	328.2	305.1	334.1	249.7	341.0	277.3	276.5			
G102.0	317.7	293.8	320.4	238.0	334.8	268.2	261.5			
G103.0	304.8	287.9	306.3	227.1	326.0	258.4	247.7			
G104.0	293.9	277.0	291.2	222.0	326.6	246.1	235.7			
G105.0	283.3	262.0	273.9	211.2	314.1	237.4	222.0			
G106.0	271.0	246.8	261.0	206.1	304.8	225.1	207.0			
G107.0	260.2	238.2	245.8	194.9	288.0	210.8	192.5			
G108.0	245.5	224.5	229.0	183.9	275.8	201.5	182.0			
G109.0	232.0	208.2	213.0	174.7	263.4	188.2	165.5			
G110.0	216.6	192.8	198.0	162.5	238.9	178.7	153.8			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



## Candlepower Table (Continue 8)

Unit: cd

G/C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G111.0	201.0	176.0	183.4	155.2	230.7	168.7	142.6			
G112.0	190.3	164.6	167.8	144.1	209.9	151.7	128.1			
G113.0	172.8	148.8	151.7	133.7	191.9	141.4	116.3			
G114.0	161.3	136.6	138.1	127.1	176.4	126.2	105.8			
G115.0	149.2	127.2	123.1	114.8	153.7	111.7	91.6			
G116.0	135.7	116.9	108.2	105.0	138.9	103.0	80.1			
G117.0	122.8	108.2	96.7	99.4	126.7	91.5	68.5			
G118.0	111.9	100.8	84.3	90.3	110.0	80.1	57.7			
G119.0	101.9	93.7	74.8	82.2	97.3	72.8	50.0			
G120.0	94.2	87.1	65.9	76.1	91.6	68.4	44.9			
G121.0	88.7	83.0	60.4	72.1	84.6	63.7	41.7			
G122.0	83.0	79.8	56.7	68.9	75.7	57.6	39.1			
G123.0	76.3	75.7	51.5	62.6	68.3	51.3	37.3			
G124.0	70.3	71.0	47.4	56.4	61.1	46.0	35.8			
G125.0	64.3	67.0	43.3	53.6	52.2	42.3	34.9			
G126.0	58.9	61.8	40.5	49.4	48.0	39.9	34.3			
G127.0	54.0	55.6	38.3	45.9	45.4	38.8	33.8			
G128.0	49.4	50.6	36.6	43.9	43.9	38.1	33.5			
G129.0	46.1	47.4	35.0	43.6	43.2	37.4	33.4			
G130.0	44.1	45.4	33.9	43.1	42.7	36.8	33.2			
G131.0	42.4	44.4	32.9	40.8	42.6	36.4	33.0			
G132.0	41.3	42.2	32.1	39.6	42.6	36.2	32.4			
G133.0	39.7	39.5	30.9	38.2	41.8	35.1	31.7			
G134.0	37.3	37.1	29.6	36.9	40.7	34.5	31.0			
G135.0	35.4	35.3	28.2	35.9	39.6	34.0	30.3			
G136.0	34.3	33.7	27.3	35.0	38.5	33.5	29.4			
G137.0	33.5	32.8	26.7	33.7	36.7	31.9	28.2			
G138.0	32.5	31.7	26.0	31.8	34.5	29.9	26.9			
G139.0	30.9	29.6	25.0	29.1	31.7	27.8	25.6			
G140.0	28.4	27.3	23.6	26.4	28.3	25.5	23.9			
G141.0	25.2	24.8	22.0	23.8	24.8	23.1	21.9			
G142.0	22.2	21.9	20.0	21.1	21.6	20.9	20.0			
G143.0	19.5	19.4	18.5	18.8	18.5	18.9	18.3			
G144.0	16.6	17.1	17.1	17.0	16.0	17.0	16.7			
G145.0	14.5	15.3	15.6	15.5	14.9	15.4	15.2			
G146.0	13.7	14.2	14.4	14.3	13.9	14.0	14.0			
G147.0	12.9	13.5	13.4	13.2	13.0	12.7	12.9			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



## Candlepower Table (Continue 9)

Unit: cd

G/C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G148.0	12.3	12.8	12.8	12.4	12.3	12.0	12.1			
G149.0	11.6	12.2	11.9	11.6	11.7	11.1	11.2			
G150.0	11.0	11.4	11.3	10.8	11.1	10.4	10.4			
G151.0	10.4	10.8	10.8	10.1	10.4	9.8	9.7			
G152.0	9.8	10.2	10.2	9.5	9.9	9.1	9.1			
G153.0	9.3	9.4	9.7	8.8	9.3	8.6	8.5			
G154.0	8.8	8.9	9.2	8.3	8.9	8.1	7.8			
G155.0	8.2	8.5	8.9	7.7	8.3	7.5	7.4			
G156.0	7.7	8.7	8.6	7.3	7.8	7.0	7.0			
G157.0	7.5	28.0	13.3	6.8	7.3	6.7	6.5			
G158.0	7.2	58.3	22.9	6.5	6.8	6.2	6.0			
G159.0	7.1	30.4	19.4	6.3	6.4	5.8	5.6			
G160.0	21.4	29.5	23.2	6.3	6.0	5.4	5.2			
G161.0	21.3	46.2	17.4	10.4	5.5	5.5	4.8			
G162.0	32.3	26.1	12.0	16.7	5.2	22.4	4.5			
G163.0	80.0	66.6	23.7	5.4	4.8	36.6	4.1			
G164.0	71.8	131.0	51.9	4.7	4.6	26.8	3.7			
G165.0	69.0	144.6	39.8	4.4	4.7	4.7	3.4			
G166.0	32.3	136.0	21.8	4.0	5.0	3.8	3.0			
G167.0	43.2	88.2	40.1	3.8	5.8	3.4	2.9			
G168.0	44.4	81.3	12.2	3.5	10.1	3.1	2.8			
G169.0	38.7	49.1	21.8	3.3	6.3	2.9	2.8			
G170.0	53.8	49.6	22.1	3.0	3.6	4.3	2.8			
G171.0	86.2	68.3	5.0	2.9	3.0	2.7	2.9			
G172.0	76.1	76.8	4.0	2.9	2.8	2.7	3.1			
G173.0	61.1	56.7	3.1	2.6	2.7	2.6	3.1			
G174.0	13.1	4.6	2.8	2.5	2.6	2.4	2.9			
G175.0	4.5	4.3	2.6	2.5	2.7	2.7	2.8			
G176.0	2.3	2.5	2.5	2.5	2.7	2.8	3.0			
G177.0	2.2	2.3	2.4	2.5	2.6	2.8	3.1			
G178.0	2.1	2.1	2.5	2.4	2.5	2.7	3.0			
G179.0	2.1	1.9	2.4	2.3	2.3	2.6	2.8			
G180.0	2.0	2.0	2.2	2.1	2.1	2.3	2.5			

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 28.4 °C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.040 m [K=1.0000]  
 Humidity:  
 Inspector: